Date: 09.30.2013

SCION tC 2011 - 2012 LED DRL in FOG LIGHT HOUSING

Part Number: STC-501

Kit Contents

Item #	Quantity Reqd.	Description
1	2	LED DRL housings
2	2	Bezels
3	1	Driver Box
4	1	Harness bag
5	1	User's card
6	1	Switch

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	Hood Wire Harness
2	1	Cabin Wire Harness
3	8	Wire ties
4	2	T-Taps
5	1	15" wire tie
6	1	Relay

Service Parts

Item	Part number
DRL Housing LH	STC-501-LL
DRL Housing RH	STC-501-RL
Bezel LH	STC-312-LB
Bezel RH	STC-312-RB
Switch	TCA-712SE-SW
Wire Harness	TTA-712-WH
Driver Box	TCA-712SE-DB

General Applicability

Conflicts

Recommended Tools

Safety Tools	
Safety Glasses	
Protective tape	
Electrical Tape	
Installation Tools	
10mm Wrench	
Phillips Screw Driver	
Pliers	
Panel Tool Removal	
Side Cutters	
Torque Wrench	
Special Chemicals	
3M Silicon Sealant	

Mandatory Legend

STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.

OPERATOR SAFETY: Use caution to avoid risk of injury

CRITICAL PROCESS: Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation

TOOLS & EQUIPMENT: This calls out the specific tools and equipment required for this process

REVISION MARK: This mark highlights a change in installation with respect to previous issue.

SPECIAL NOTE:
After **Auer Automotive Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality. Also some items listed to be removed may not need to be removed if caution is taken to not damage vehicle.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure quality installation.

Preparation

Remove negative battery cable

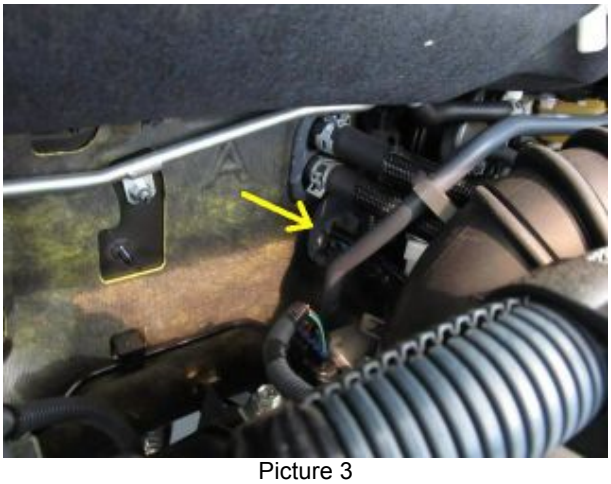
Installation

1. From front of vehicle, run the DRL's wire harness on the driver side from the battery towards the firewall of the car. Use wire ties as needed (picture 1 & 2)

Picture 1

Picture 2

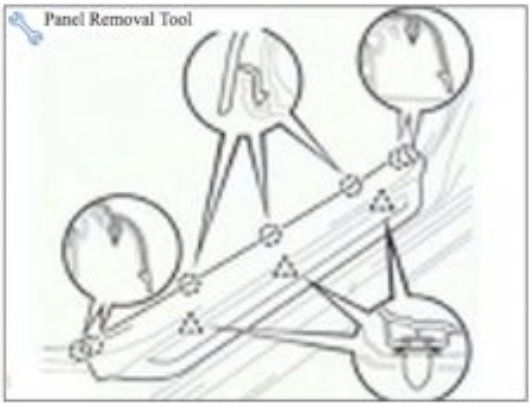
2. Locate the large vehicle harness grommet on the left side. If accessible, cut the auxiliary wiring access nipple off the grommet or cut ¼" slit in grommet and push the red, black, black-white and red-white wires through firewall. Note: Extra caution should be taken not to damage the pin connectors. Seal with 3M Silicone sealant (picture 3)



Picture 3

Vehicle Disassembly

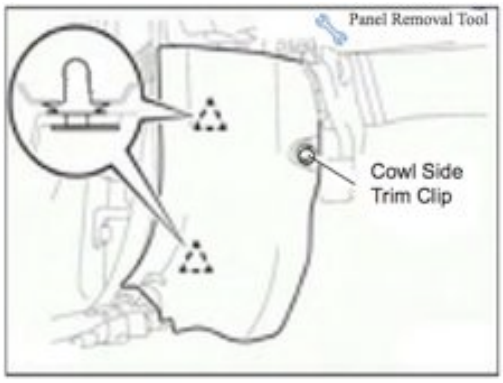
3. Remove driver side door scuff plate. Disengage with panel tool and remove (picture 3)



Picture 3

4. Remove the driver side cowl side trim (picture 6). Unscrew the cowl side trim clip.

Disengage two (2) clips and remove the cowl side trim (picture 4)

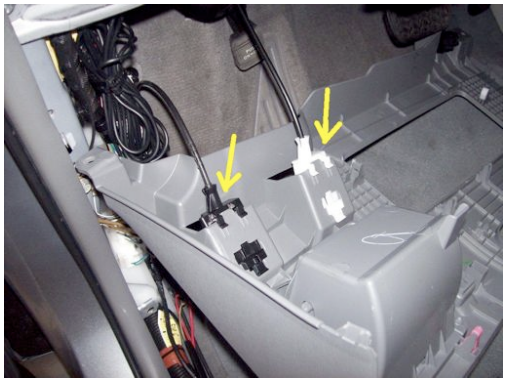


Picture 4

5. Remove the lower finish panel (picture 5)

Picture 5

6. Remove hood latch and gas door cables (picture 6)



Picture 6

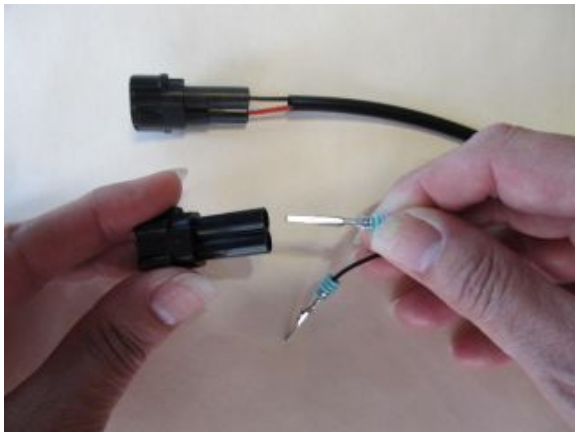
7. Remove switch panel left of steering wheel. Remove far right dash panel switch plug and install switch into switch knockout (picture 7)

Picture 7

8. From inside the cabin, locate the wires that were pushed through in step 2. It will be the grommet above the gas pedal (picture 8)

Picture 8

9. Route the wire harness to reach the lower-left side panel
10. Push the pins into the connector supplied in kit. Make sure that the wire colors of the connectors are aligned with the wire colors of the driver box: black with black and red with red, etc (picture 9)

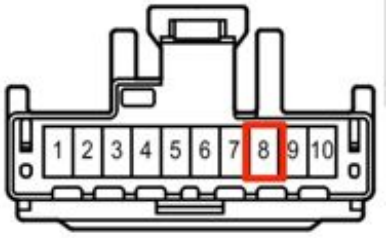


Picture 9

11. Connect the driver box to the wires pushed into the connectors on step 10 (make sure wire colors are aligned).
12. Using a 15” wire tie, secure the driver box behind the lower left panel (picture 10)

Picture 10

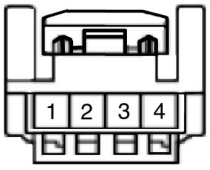
13. T-tap the red wire from DRL harness to connector C25 pin 8, gray wire. Connector C25 is located behind the mirror control switch (pictures 11 and 12A)



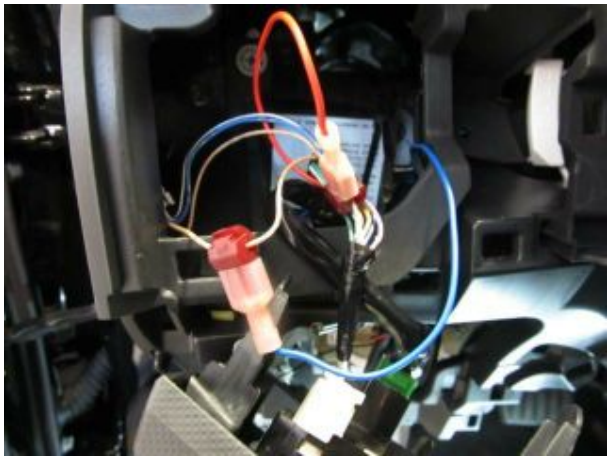
Picture 11

14. T-tap the blue wire from DRL harness to connector C46 pin 3, brown-gray wire (picture 12, 12A and 12B). Connector C46 is located behind the left switch panel

Picture 12: connector C46 location

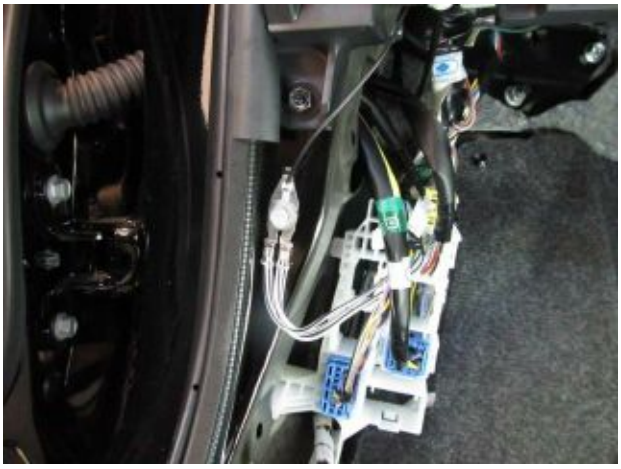


Picture 12A: Connector C46



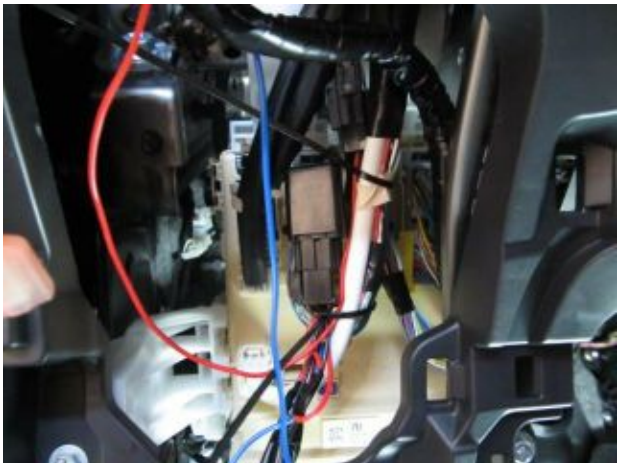
Picture 12B

15. Secure ground (black) wire to bolt in kick panel (picture 13)

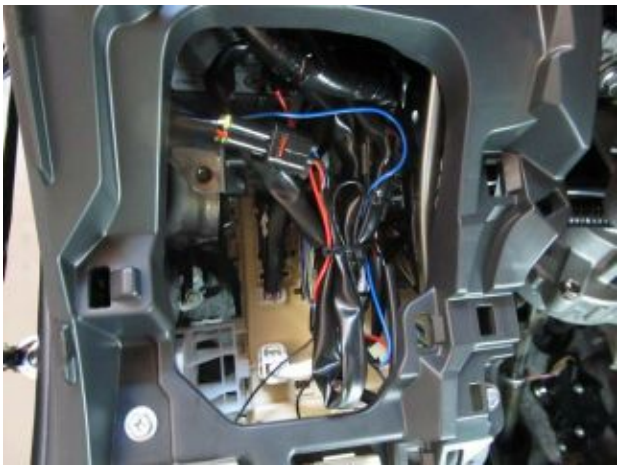


Picture 13

16. Secure relay and any excess wire from t-taps to main wire harness (picture 14 & 15)



Picture 14



Picture 15

17. Plug in the switch and reinstall all panels and connectors (picture 16)

Picture 16

ENGINE COMPARTMENT

18. On the driver side, route the DRL's wire under car to reach left fog light area.
19. Remove fog light cover plates
20. Insert one side of the DRL housing into the plastic sleeve and secure other side with supplied Phillip screws (picture 17). Repeat this step for left and right DRLs.

Picture 17

21. Plug in left side DRL into harness plug and secure with wire ties
22. Run right side of wire harness under skid plate and secure with wire ties (picture 18)

Picture 18

23. Plug in right DRL into harness plug and secure with wire ties
24. Snap on both DRL bezels (picture 19)

Picture 19

25. Reinstall negative battery cable and torque to 48 in-lbs

Check System for Operation

1. DRL will work at full power when ignition switch is ON. DRL will dim out to DOT specifications when lights are ON.
2. If DRL switch position is off, DRL will not work at any time.

Check	Look For:
Accessory Functions Checks	
▢ DRL function……..	….
▢ All Panels snapped into place…….	• Loose panels and switches
▢ Battery Terminal……	• Re-torque battery terminals to 48 in/lbs.
Vehicle Function checks	
▢ Check functions all switch functions	

VEHICLE FUNCTION CHECK

AFTER ALL PANELS, COVERS AND COMPONENTS THAT WERE REMOVED HAVE BEEN REINSTALLED, TEST THROUGHLY ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND/OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY